

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
22 April 2004 (22.04.2004)

PCT

(10) International Publication Number
WO 2004/033547 A3

(51) International Patent Classification⁷: C08K 5/098, C08L 95/00, C09J 195/00

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number: PCT/EP2003/050707

(22) International Filing Date: 10 October 2003 (10.10.2003)

(25) Filing Language: English

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data: 02292520.0 11 October 2002 (11.10.2002) EP

Published:
— with international search report

(71) Applicant (for all designated States except US): SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. [NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR The Hague (NL).

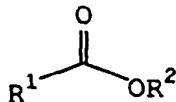
(88) Date of publication of the international search report: 13 May 2004

(72) Inventors; and
(75) Inventors/Applicants (for US only): DEYGOUP, François Julien Raoul [FR/FR]; Route départementale no. 3, F-76650 Petit Couronne (FR). SEIVE, Alain Marcel Bernard [FR/FR]; Route départementale no. 3, F-76650 Petit Couronne (FR).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/033547 A3

(54) Title: BITUMEN COMPOSITION



(I)

(57) Abstract: The present invention provides a bitumen composition comprising: -(i) from 0.1 to 25 % wt of an elastomer, (ii) from 0.1 to 40 % wt of a solvent, (iii) from 30 to 99 % wt of a bitumen, (iv) from 0.1 to 30 % wt of a lithium salt of a C₁₀-C₄₀ fatty acid or hydroxy fatty acid, and optionally (v) from 0 to 70 % wt of a filler, all weights based on total bitumen composition, wherein the solvent is of general formula (I), wherein R¹ represents a hydrogen atom or a hydrocarbyl group having from 1 to 6 carbon atoms, R² represents a hydrocarbyl group having from 1 to 6 carbon atoms, and the sum of the carbon atoms in R¹ and R² is from 5 to 7; a process of preparing said bitumen composition and the use of the composition as a cold-applicable adhesive.